



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF WATER SUPPLY
GROUND WATER MANAGEMENT SECTION

9th Floor, 401 Church Street
Nashville, Tennessee 37243-1539
Phone: (615) 532-0191; Fax: (615) 532-0503

January 14, 2004

Mr. Mike Evans
Industrial Development
Board of Montgomery County
312 Madison Street
Clarksville, Tennessee 37040

RE: Application Approval for a Class V Injection Well/System
International Boulevard Roadway Construction
Clarksville, Montgomery County, Tennessee
UIC File # MTG-183

Mr. Evans:

The Division of Water Supply has reviewed your submittal of an Application for Authorization for a permit to discharge storm water runoff into two (2) sinkholes at the International Boulevard Roadway Construction Project, Clarksville, Montgomery County, Tennessee. The Division considers your application complete dated December 8, 2003.

The sediment and erosion control measures should be installed according to the guidelines in the Tennessee Erosion and Sediment Control Handbook. It will be necessary to install the silt fence and straw bales along the entire edge of the sinkholes and around any potential conduit that the water may use to enter the ground water prior to any construction. It should be noted that silt fences are used as temporary diversion features and generally have a life expectancy of three (3) months. The silt fence and straw bales must remain in place and in good working condition throughout the entire development of the property, and until the disturbed area has been stabilized.

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All straw bales shall be placed in a single row, with ends of adjacent bales tightly abutting on another. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of four (4) inches.

After the bales are staked and chinked, the excavated soil shall conform to the ground level on the down gradient side and shall be built up to four (4) inches against the up gradient side of the barrier.

After every storm event the entire silt fence must be inspected and any needed repairs done at that time. Should any damage occur due to traffic or any other activity the fence must be repaired before the end of each workday.

Straw bale barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Necessary repairs to barriers or replacement of bales shall be accomplished promptly. Sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier. Any sediment deposits remaining in place after the straw bale barrier is no longer required should be dressed to conform to the existing grade prepared and seeded.

This Division will require a minimum of seven- (7) working days advance notice before the construction on the karst area is to begin to allow for a witness from this Division to be present.

If at any time during the clearing or construction of the property other karst features are discovered then all work around the area is to stop. Erosion control devices straw bales and silt fence are to be placed and this Division is to be notified within twenty-four (24) hours of the discovery.

Extreme caution should be used in the filling and construction of commercial or residential properties on or in a sinkhole. A sinkhole by nature is an unstable geologic area, which has no permanent means of stabilization and is subject to times of movement and settling. This uncontrollable movement may cause some damage to any permanent structure placed on or around the karst feature. The State of Tennessee assumes no responsibility in potential consequences of building on filled depressions of any kind at any time.

It should be noted that the Division's review of this permit application was limited to water quality issues.

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The review did not include an evaluation of the property's potential to flood or of possible flooding impacts on adjacent properties due to modification of drainage patterns on karst features. The stormwater management and drainage requirements of local zoning regulations should be followed.

If at any time the Division learns that a ground water discharge system may be in violation of The Tennessee Water Quality Control Act, the Division shall:

- a. Require the injector to apply for an individual permit;
- b. order the injector to take such actions including, where required, closure of the injection well as may be necessary to prevent the violation; or
- c. take enforcement action.

All groundwater discharge activities must operate in such a manner that they do not present a hazard to groundwater.

The owner/operator shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the owner/operator to achieve compliance with the conditions of this authorization. Proper operation and maintenance included effective performance, adequate funding, and appropriate quality assurance procedures.

Knowingly making any false statement on any report required by the rule may result in the imposition of criminal penalties as provided in T.C.A. 69-3-115 of the Tennessee Water Quality Control Act.

The issuance of this authorization does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations.

If the owner/operator becomes aware that he failed to submit any relevant facts in an authorization application, or submitted incorrect information in an authorization application or in any report to the Division, then he shall promptly submit such facts or information.

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The owner/operator shall give notice to the Division as soon as possible of any planned physical alterations or additions to the authorized facility or activity, which may result in noncompliance with authorization requirements.

The authorization to discharge stormwater is limited to the two (2) sinkholes located at the International Boulevard Roadway Construction Project, Clarksville, Montgomery County as shown on the application. Routing of drainage to the sinkholes from any additional development in this area will require a separate application. This authorization has a fixed term not to exceed two (2) years from the date of this letter. The owner/operator is not authorized to discharge after the expiration date.

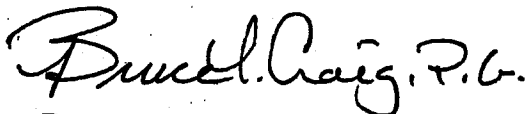
In order to receive authorization to discharge beyond the expiration date, the owner/operator shall submit such information and forms as are required to the Division of Water Supply no later than 180 days prior to the expiration date.

Our concurrence with your approach does not imply that this procedure is exempt from future changes or restrictions in the Underground Injection Control (UIC) Regulations, or any additional requirements set forth by the Division in order to protect the groundwater of Tennessee.

A copy of this authorization must be kept on site until the development has been completed and must be made available to inspection personnel.

Should you have any questions or comments please feel free to contact me at (615) 532-0180.

Sincerely,



Bruce T. Craig, P.G.
Geologist
UIC Program
Division of Water Supply

cc: Mr. Louis Burnett, TDWS- Nashville EAC
Mr. David B. Smith, David B. Smith and Associates